



servis
heat treatment

Data Sheet

Process:	Beta PC Process #
Description:	An extended austenitic thermo-chemical process for extremely heavy or selective application. Imparts outstanding wear and corrosion resistance.
Application:	Applied to mild and low alloy steels for service in aggressive environments, Outperforms traditional deep case carburising and hardening. Often eliminates the necessity for more expensive solutions. Typical components: Gears, mining equipment components, shafts, slides, rollers, bearings etc.
Metallurgical Aspects: plus	Compound layer depth: 0.015 - 0.03 mm. Compound layer hardness: 800μ HV Substrate hardness: Dependant upon material. Particularly suitable for heavy case depths